

Title (en)
A METHOD OF DESTROYING EXPLOSIVE SUBSTANCES

Title (de)
VERFAHREN ZUM ZERSTÖREN VON EXPLOSIVSTOFFEN

Title (fr)
PROCEDE D'ELIMINATION DE SUBSTANCES EXPLOSIVES

Publication
EP 0628152 B1 19971001 (EN)

Application
EP 93905726 A 19930226

Priority
• SE 9200576 A 19920226
• SE 9300171 W 19930226

Abstract (en)
[origin: US5481062A] PCT No. PCT/SE93/00171 Sec. 371 Date Aug. 25, 1994 Sec. 102(e) Date Aug. 25, 1994 PCT Filed Feb. 26, 1993 PCT Pub. No. WO93/17295 PCT Pub. Date Sep. 2, 1993. The invention relates to a method of destroying explosive substances in which the explosive substances are converted to a pumpable liquid or suspension which is not detonatable but combustible and which can be burned in conventional boilers intended for energy production. The explosive substance is dissolved or suspended in a combustible liquid which contains no available oxygen or only a small amount of available oxygen, preferably fuel oil, wherein the amount of liquid present is so large as to reduce the energy content of the mixture to 1 MJ/kg or less in the absence of available atmospheric oxygen. The mixture is burned in a combustion apparatus, by delivering the mixture to the combustion apparatus via a liquid fuel burner or a burner for solid fuel/liquid fuel suspensions. The grain size of the explosive substance in suspension is selected so that each grain will be incinerated during its residence time in the flame of the burner concerned.

IPC 1-7
F42D 5/04; **F23G 5/12**

IPC 8 full level
F42B 33/00 (2006.01); **A62D 3/38** (2007.01); **F23G 7/00** (2006.01); **F42B 33/06** (2006.01); **F42D 5/04** (2006.01); **A62D 101/06** (2007.01); **A62D 101/26** (2007.01); **A62D 101/28** (2007.01)

CPC (source: EP US)
A62D 3/38 (2013.01 - EP US); **F23G 7/003** (2013.01 - EP US); **F42B 33/067** (2013.01 - EP US); **A62D 2101/06** (2013.01 - EP US); **A62D 2101/26** (2013.01 - EP US); **A62D 2101/28** (2013.01 - EP US); **F23G 2209/16** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT

DOCDB simple family (publication)
US 5481062 A 19960102; AT E158860 T1 19971015; AU 3654393 A 19930913; AU 665625 B2 19960111; CA 2129980 A1 19930902; DE 69314328 D1 19971106; DE 69314328 T2 19980319; EP 0628152 A1 19941214; EP 0628152 B1 19971001; FI 943904 A0 19940825; FI 943904 A 19940825; JP H07507131 A 19950803; NO 303364 B1 19980629; NO 943050 D0 19940817; NO 943050 L 19940817; PL 174262 B1 19980731; SE 470028 B 19931025; SE 9200576 D0 19920226; SE 9200576 L 19930827; WO 9317295 A1 19930902

DOCDB simple family (application)
US 29568994 A 19940825; AT 93905726 T 19930226; AU 3654393 A 19930226; CA 2129980 A 19930226; DE 69314328 T 19930226; EP 93905726 A 19930226; FI 943904 A 19940825; JP 51476293 A 19930226; NO 943050 A 19940817; PL 30489893 A 19930226; SE 9200576 A 19920226; SE 9300171 W 19930226